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(71)Applicant : NIPPON TELEGR & TELEPH CORP
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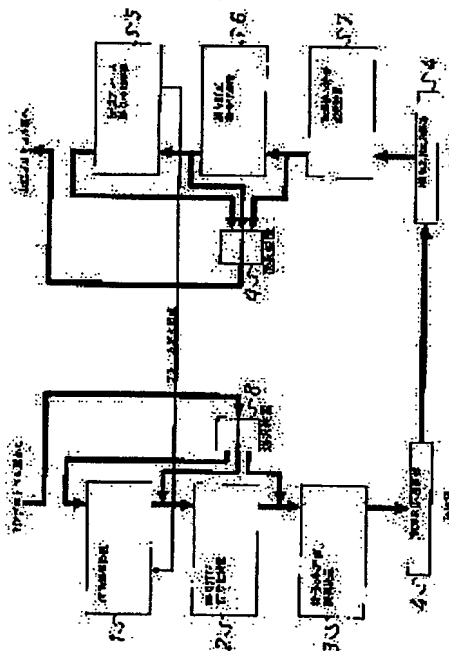
(72)Inventor : MIYAGAWA SUSUMU
ONO SATOSHI
TAKAHASHI NAOHISA

(54) DATA TRANSMISSION CONTROL SYSTEM AND DATA TRANSMISSION CONTROL METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To attain data transmission with an optimum efficiency at all times matching the change in transmission environment of data such as change in a host protocol or a weather change.

SOLUTION: In the data transmission control system conducting data transmission control by using a hierarchical protocol having layers corresponding to a layer 1 to a layer 4 at least among OSI reference models, selectors 8, 9 selecting functions used for data transmission control (re-transmission controller 1, error correction coder 2, code → physical value converter 3, transmission frame error detector 5, error correction decoder 6, and physical value → code converter 7) among functions of each layer below the layer 2 of the hierarchical protocol and the transmission control of data is conducted through the combinations of functions selected by the selectors 8, 9.



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